

A METHOD FOR RECORDING DATA IN AN OPTICAL RECORDING MEDIUM,  
AN APPARATUS FOR RECORDING DATA IN AN OPTICAL RECORDING  
MEDIUM AND AN OPTICAL RECORDING MEDIUM

BACKGROUND OF THE INVENTION

5 Field of the Invention

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The present invention relates to a method for recording data in an optical recording medium, an apparatus for recording data in an optical recording medium and an optical recording medium, and particularly, to a method for recording data in a write-once type optical recording medium, an apparatus for recording data in a write-once type optical recording medium and a write-once type optical recording medium which can record data by forming a recording mark having a desired length and reduce jitter of a reproduced signal.

Description of the Related Art

Optical recording media such as the CD, DVD and the like have been widely used as recording media for recording digital data. These optical recording media can be roughly classified into optical recording media such as the CD-ROM and the DVD-ROM that do not enable writing and rewriting of data (ROM type optical recording media), optical recording media such as the CD-R and DVD-R that enable writing but not rewriting of data (write-once type optical recording media), and optical recording media such as the CD-RW and DVD-RW that enable rewriting of data (data rewritable type optical recording media).

As well known in the art, data are generally recorded in a ROM type optical recording medium using pre-pits formed in a substrate in the manufacturing process thereof, while in a data rewritable type optical recording medium a phase change material is generally used as the material of the recording layer and data